

What is claimed is:

1. A filtration media array formed of at least one flow channel layer defined by a contoured film layer and a second layer, the contoured film layer having a first face and a second face, the contoured film layer having a series of peaks or ridges, at least one face of the contoured film defining flow channels and having high aspect ratio structures over at least a portion of the face defining the flow channels and wherein a second film layer comprising the flow channel layer second layer or a further layer at least in part define fluid pathways through the flow channels of the filtration media array.

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